ELSEVIER

Chemistry and Physics of Lipids
93 (1998) 215–216

CPL
CHEMISTRY AND PHYSICS OF LIPIDS

Volume contents

Volume 93 (1998)

Preface 1

M.T. Reetz, K.-E. Jaeger (Germany) *Overexpression, immobilization and biotechnological application of Pseudomonas lipases* 3

F. Götz, H.M. Verheij, R. Rosenstein (Germany, The Netherlands) *Staphylococcal lipases: molecular characterisation, secretion, and processing* 15

J.-W.F.A. Simons, F. Götz, M.R. Egmond, H.M. Verheij (The Netherlands, Germany) *Biochemical properties of staphylococcal (phospho)lipases* 27

M.D. van Kampen, J.-W.F.A. Simons, N. Dekker, M.R. Egmond, H.M. Verheij (The Netherlands) *The phospholipase activity of Staphylococcus hyicus lipase strongly depends on a single Ser to Val mutation* 39

D. Mileto, S. Brocca, M. Lotti, M. Takagi, C. Alquati, L. Alberghina (Italy, Japan) *Characterization of the Candida rugosa lipase system and overexpression of the lip1 isoenzyme in a non-conventional yeast* 47

M. Holmquist (Sweden) *Insights into the molecular basis for fatty acyl specificities of lipases from Geotrichum candidum and Candida rugosa* 57

J. Pleiss, M. Fischer, R.D. Schmid (Germany) *Anatomy of lipase binding sites: the scissile fatty acid binding site* 67

P.L. Overbeeke, S.C. Orrenius, J.A. Jongejan, J.A. Duine (The Netherlands) *Enthalpic and entropic contributions to lipase enantioselectivity* 81

S. Patkar, J. Vind, E. Kelstrup, M.W. Christensen, A. Svendsen, K. Borch, O. Kirk (Denmark) *Effect of mutations in Candida antarctica B lipase* 95

S. Bezzine, A. Roussel, J. de Caro, L. Gastinel, A. de Caro, F. Carrière, S. Leydier, R. Verger, C. Cambillau (France) *An inactive pancreatic lipase-related protein is activated into a triglyceride-lipase by mutagenesis based on the 3-D structure* 103

D.A. Lang, B.W. Dijkstra (The Netherlands) *Structural investigations of the regio- and enantioselectivity of lipases* 115

D. Pignol, J. Hermoso, B. Kerfelec, I. Crenon, C. Chapus, J. Carlos Fontecilla-Camps (France, Spain) *The lipase/colipase complex is activated by a micelle: neutron crystallographic evidence* 123

M.A. Gordillo, J.L. Montesinos, C. Casas, F. Valero, J. Lafuente, C. Solà (Spain) *Improving lipase production from Candida rugosa by a biochemical engineering approach* 131

M. Lotti, S. Monticelli, J. Luis Montesinos, S. Brocca, F. Valero, J. Lafuente (Italy, Spain) *Physiological control on the expression and secretion of Candida rugosa lipase* 143

R.O. Scow, C.J. Schultz, J.-W. Park, E.J. Blanchette-Mackie (USA, South Korea) *Combined lipase deficiency (cld/cld) in mice affects differently post-translational processing of lipoprotein lipase, hepatic lipase and pancreatic lipase* 149

E. Cernia, C. Palocci, S. Soro (Italy) *The role of the reaction medium in lipase-catalyzed esterifications and transesterifications* 157

A.R. Alcántara, I.E. de Fuentes, J.V. Sinisterra (Spain) *Rhizomucor miehei lipase as the catalyst in the resolution of chiral compounds: an overview* 169

R. Fernandez-Lafuente, P. Armisén, P. Sabuquillo, G. Fernández-Lorente, J. M. Guisán (Spain) *Immobilization of lipases by selective adsorption on hydrophobic supports* 185
T. Anthonsen, B.H. Hoff (Norway) *Resolution of derivatives of 1,2-propanediol with lipase B from Candida antarctica: Effect of substrate structure, medium, water activity and acyl donor on enantiomeric ratio*. 199

Author Index–Volume 93 209
Subject Index–Volume 93 211
Contents–Volume 93 215